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## ABSTRACT OF THE DISCLOSURE

# SIGNAL SAMPLING USING FLEX CIRCUITS ON DIRECT INTER- CONNECTS

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A method and system for sampling data signals between electronic components are provided. The invention comprises using a straight feed-through connector to connect electronic components and attaching one end of a flexible circuit to the pins of the feed-through connector. The other end of the flexible circuit is attached to a display, such as a LED. The display constitutes a field replaceable unit (FRU), which allows a malfunctioning display (i.e. LED) to be replaced without having to remove other electronic components. The present invention can be used for the detection of fault signals, status, idle signals, error checking, and introduction of a signal analyzer.